Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mixed Practice: Geometry and Algebraic Thinking**

**Use a protractor to find the measure of the following angles.**

1.

2.

3.

**Use your protractor to draw angles of the following measures.**

1. 75 degrees
2. 165 degrees
3. 180 degrees
4. 32 degrees

**Find the missing number.**

1. 7 + = 18

= \_\_\_\_\_\_\_\_

2. 8 x = 32

= \_\_\_\_\_\_\_\_\_

3. *n* x 3 = 36

*n* = \_\_\_\_\_\_\_\_\_

4. 150 = 25*x*

*x* = \_\_\_\_\_\_\_\_\_

**Use what you know about angles and polygons to solve the following problems.**

Circle the shape you see if the following shape was turned 90 degrees three times counterclockwise (to the left).

Find the missing angle.

Find the missing angle.

Who has the largest piece of chocolate? Bill has 1/3 of a bar, Sally has 4/6 of a bar, Peter has 9/12 of a bar, Jen has 13/18 of a bar. Show how you know the answer.

Bill

|  |
| --- |
|  |

Sally

|  |
| --- |
|  |

Peter

|  |
| --- |
|  |

Jen

|  |
| --- |
|  |

Draw a picture to solve the following problem.

Sally is having a birthday party with 10 people. When everyone gets there she asks everyone to introduce themselves and shake everyone's hand. How many handshakes will there be? How do you know?